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NONPROVISIONAL PATENT
APPLICATION TRANSMITTAL RULE §1.53(b)
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Customer No. 004372
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Docket No. 107156-00194
Date: July 22, 2003

21910 U.S. PTO
10/62337
07/22/03

Mail Stop Patent Application

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): LOGARITHMIC TRANSFORMER AND METHOD OF LOGARITHMIC
TRANSFORMATION

By (Inventors): Yuji YAMAMOTO, Saitama-ken, Japan

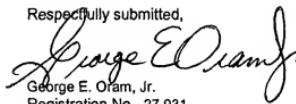
- 35 pages of Specification/Claims 1-15/Abstract are attached.
- Formal drawings (Figs.) 1 - 12; 11 sheets are attached.
- A Declaration and Power of Attorney is attached.
- An assignment of the invention to Pioneer Corporation is attached, along with Form PTO-1595 and a check for \$40.00.
- Priority of foreign application No. 2002-214046 filed July 23, 2002 both in Japan is claimed under 35 U.S.C. §119.
- A certified copy of the above corresponding foreign application is attached.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

			SMALL ENTITY		LARGE ENTITY	
FOR:	NO. FILED	NO. EXTRA	RATE	FEES	RATE	FEES
BASIC FEE				\$ 375		
TOTAL CLAIMS	15 - 20	= 0	x 9 =	\$	x 18 =	\$
INDEP CLAIMS	2 - 3	= 0	x 42 =	\$	x 84 =	\$
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			+140 =	\$	+280 =	\$
			TOTAL	\$	OR TOTAL	\$ 750

- A check in the amount of \$790.00 (\$750 for the filing fee and \$40 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,


George E. Oram, Jr.
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